

Serial No. 10/633,296

Amendment and Response dated 08/29/2005 Replying to Office Action dated 04/29/2005

AMENDMENTS

In the Claims

Please amend claims 16, 18, and 21, and cancel claims 1-6, 8-15, 17, and 19-20 as indicated below. This listing of claims will replace all prior versions and listings of claims in the application.

Serial No. 10/633,296

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LISTING OF THE CLAIMS

1. to 15. (Cancelled)

16. (Currently Amended) A motorcycle comprising:

a frame;

an engine coupled to the frame and including a crankshaft and a primary drive output;

a swingarm pivotably coupled to one of the frame and the engine;

a primary clutch coupling the crankshaft to the primary drive output;

a final output shaft coaxial with a swingarm pivot at which the swingarm is coupled to the frame;

a rear wheel rotatably coupled to the frame swingarm, and coupled to be driven by torque from the final output shaft; and

a slipper clutch coupling the primary drive output to the final output shaft to provide positive spragged torque transfer from the primary drive output to the rear wheel, and to control back-torque transfer from the rear wheel to the primary drive output by frictional clutch plate slippage.

17. (Cancelled)

18. (Original) ~~The A motorcycle of claim 17 further~~ comprising:

a frame;

an engine coupled to the frame and including a crankshaft and a primary drive output;

a swingarm pivotably coupled to one of the frame and the engine;

a primary clutch coupling the crankshaft to the primary drive output;

a final output shaft;

a rear wheel rotatably coupled to the swingarm, and coupled to be driven by torque from the final output shaft;

a slipper clutch coupling the primary drive output to the final output shaft to provide spragged torque transfer from the primary drive output to the rear wheel, and to control

Serial No. 10/633,296

Amendment and Response dated 08/29/2005 Replying to Office Action dated 04/29/2005

11 back-torque transfer from the rear wheel to the primary drive output by frictional clutch plate
12 slippage;
13 a dynamic adjuster for altering the back-torque transfer; and
14 a controller coupled to the dynamic adjuster, whereby a rider of the motorcycle may
15 control the back-torque transfer while riding the motorcycle.

1 19. to 20. (Cancelled)

1 21. (Currently Amended) The motorcycle of claim ~~20~~ 16 wherein:
2 the final output shaft of the slipper clutch comprises a secondary output shaft; and
3 the slipper clutch includes a slipper clutch shaft which is coupled to and not coaxial with
4 the secondary output shaft.

1 22. (Original) The motorcycle of claim 21 wherein:
2 the secondary output shaft rides is coupled to the swingarm by bearings which are coaxial
3 with the swingarm pivot.